REQUEST FOR QUOTATION
(THIS IS NOT AN ORDER)

THIS RFQ [X] IS [ ] IS NOT A SMALL BUSINESS SET-ASIDE

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1. REQUEST NO.	2. DATE ISSUED	3. REQUISITION/PURCHASE REQUEST NO.	4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1	RATING
N00173-05-Q-0005	11/08/04	35-8003-05		

5a. ISSUED BY: Supply Officer (Code 3410) NRL, Washington, DC 20375

6. DELIVER BY *(Date)*: 12/31/04

5b. FOR INFORMATION CALL *(NO COLLECT CALLS)*

NAME	TELEPHONE NUMBER	
	AREA CODE	NUMBER
Michelle R. Waters	202	767-2243

7. DELIVERY: [X] FOB DESTINATION [ ] OTHER *(See Schedule)*

9. DESTINATION

a. NAME OF CONSIGNEE: NRL-Research Dev Services

b. STREET ADDRESS: 4555 Overlook Ave SW Bdg 93B

c. CITY: Washington

d. STATE: DC e. ZIP CODE: 20375-5329

8. TO:

a. NAME: All Quoters

b. COMPANY:

c. STREET ADDRESS:

d. CITY: e. STATE: f. ZIP CODE:

10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFICE IN BLOCK 5a ON OR BEFORE CLOSE OF BUSINESS *(Date)*: 11/18/04

IMPORTANT: This is a request for information, and quotations furnished are not officers. If you are unable to quote, please so indicate on this form and return it to the address in Block 5a. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or service. Supplies are of domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotation must be completed by the quoter.

11. SCHEDULE *(Include applicable Federal, State and local taxes)*

ITEM NO. (a)	SUPPLIES/ SERVICES (b)	QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)
	See attached continuation sheets.				

12. DISCOUNT FOR PROMPT PAYMENT	a. 10 CALENDAR DAYS (%)	b. 20 CALENDAR DAYS (%)	c. 30 CALENDAR DAYS (%)	d. CALENDAR DAYS NUMBER	d. CALENDAR DAYS PERCENTAGE

NOTE: Additional provisions and representations [ ] are [ ] are not attached.

13. NAME AND ADDRESS OF QUOTER	14. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION	15. DATE OF QUOTATION
a. NAME OF QUOTER		
b. STREET ADDRESS	16. SIGNER	
	a. NAME *(Type or print)*	b. TELEPHONE AREA CODE
c. COUNTY		
d. CITY e. STATE f. ZIP CODE	c. TITLE *(Type or print)*	NUMBER

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STANDARD FORM 18 (REV. 6-95)
Prescribed by GSA-FAR (48 CFR) 53.215-1(a)

STANDARD FORM 36 JULY 1966 GENERAL SERVICES ADMINISTRATION FED. PROC. REG. (41 CFR) 1-16.101	CONTINUATION SHEET	REF. NO. OF DOC. BEING CONT'D	PAGE OF
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ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Description: There is a manifold system of 100 cylinders of hydrogen located at the Northwest corner of Building 208, Naval Research Laboratory, Washington D.C. This hydrogen system feeds hydrogen supply within Bldg. 208. An automated shut off valve system is required that would shut off the hydrogen supply if hydrogen detectors in Bldg. 208 go into the alarm mode due to leakage in hydrogen line. The automated shut off valve shall be the "normally closed" type. The hydrogen flow shall be shut off in the event of an electrical power failure. The standard operating pressure of the hydrogen system is 250 psi. Design Requirements: 1. Whenever the hydrogen supply detectors in Rooms 204A or 219A go into the alarm mode, the hydrogen shall be automatically shut off outside the entrance to Bldg. 208. Similarly, if hydrogen supply sensors in the chases U101, U201, U301, U119, U219 and U319 detect hydrogen, the hydrogen supply flow shall be shut off outside the Bldg. 208. Existing hydrogen detectors in the stated areas shall be used. Provide and connect the output of the existing alarm panel to the newly installed shut off valve out side of Bldg. 208. 2. Provide excess flow sensors/valves at the entrance to Bldg. 208 in addition to existing ones in chases U101 and U119. Three (3) such newly installed sensors/valves shall be provided. It shall be designed to turn off the hydrogen supply if a break occurred in the line within the Bldg. 208. The sensors/valves in the chases are more sensitive to a leak than the one outside the Bldg. 208 and are designed to shut off the hydrogen flow if hydrogen leak occurred above chases U101 and U119. The installed flow sensors/valves outside of Bldg. 208 in addition to chases U101 and U119 shall be able to handle a maximum flow of up to 225 liters/minute for the ones within the stated chases and up to 450 liters/minute for the one at the entrance to Bldg. 208. 3. Remove small 5' section of old piping, valves and vents shown on the Figure 1. Install new pressure relief valve. The new pressure relief valve should open at 325-350 psi. The operating condition of the hydrogen system is at 250 psi. Install new rainproof vent pipe along with the relief valve. There shall be no intervening stop valve(s) between the piping and the valve. The pipe shall be routed directly to the north of the valve, above	1	EA		

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ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	the roof of the loading dock. The pressure relief valve and vent piping shall be designed not to collect moister and avoid freezing. Joints in the piping shall be made by welding or brazing or by use of flanged, threaded, socket, slip or compression fittings. Gaskets and thread sealant shall be suitable to hydrogen service 4. Replace pressure regulators in Room 204A and 219A. At current condition inlet hydrogen pressure is 250 psig and outlet pressure reduces to 15 psig, which connects to research equipment. There are a total of three regulators (two in Room 204A and one in Room 219A). The maximum outlet pressure of regulator shall be in the range of 10 to 15 psi. The inlet pressure shall be in the range of 300 to 400 psi 5. Install a pressure relief valve upstream between the flow meter and gate valve as shown on the attached drawing. 6. In compliance with ASME B31.1-2001, pressure test the piping systems downstream of the regulator to ensure that the pressure is not less than 1.5 times the design pressure, but shall not exceed the maximum allowable test pressure of any nonisolated components, nor shall exceed the limits imposed by the regulation. 7. Attached Figure-1 and PW 2087 drawing are part of the Supply Contract Safety Requirement: 1. Provided equipment shall be suitable for hydrogen use, listed or approved by a nationally recognized testing laboratory, and applicable performance standards that the installation shall comply with. The system shall ASME and NFPA standards/codes. 2. The electrically operated equipment shall be in accordance to Article 501 of NFPA 70, National Electrical Code for Class I, Division 2 locations. 3. The Contractor shall submit a site-specific safety plan for review and approval and state the performance of installation shall comply with OSHA requirements. 4. The design and installation of the equipment shall comply with 29 CFR 1910.103, Hydrogen and NFPA 50A, Standards for Gaseous Hydrogen Systems at Consumer Sites.				

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ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Ref.: The attached DD Form 1423 Contract Data Requirements List, Figure 1 (Pressure Relief valves at existing condition) and Drawing no. PW 2087. REQUEST FOR JOB SITE VISIT DATE: 11/15/2004 TIME: 09:30 a.m. PLACE: NAVAL RESEARCH LABORATORY 4555 Overlook Avenue, SW Washington, DC 20375-6329 Point of Contact: Michelle Waters, 202-767-2243, Bldg. 32, Rm. 200 Contractors are required to VISIT the JOB SITE before any quotations are accepted for the acquisition listed on the Inquiry of Availability. PROPER ID is REQUIRED. A VALID Driver's License is sufficient. You are required to report to Bldg. 72 for a proper pass for access to NRL. If a vendor representative does not attend the schedule job site visit, they may be considered 'Non-Responsive'. At the end of the Job Site Visit, each representative will be informed of the date the quotation must be submitted. If the quotations are not received by that date, they will be considered a "No Bid". Contact with the End-User is strictly prohibited (other than the job site visit). Any contact may result in the bid being considered 'tainted' and subsequently cancelled. All questions should be directed to Michelle Waters at 202-767-2243 or fax to her at 202-404-7016. Any changes in the description, specifications or drawings after the job site visit will be issued to ALL vendors. If an emergency arises and the Vendor representative cannot attend the scheduled Job Site Visit, PLEASE call the POC at the above number by the morning of the Job Site Visit to let him/her know you will not be able to attend. The Contractor is required to notifiy the Contracting Officer by 11/12/04, 3:00 pm of intent to attend the site visit.				

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ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	If available please include a published price list or a cost breakdown and return the RFQ package to the following fax number (202)404-7016. Any questions concerning this Request for Quotation (RFQ) must be e-mailed to SolQnA@condor.nrl.navy.mil at least (5) days before closing date shown in block 10 on page 1 of RFQ.				